

CITY OF FREDERICKSBURG

**VSMP General Permit for
Small Municipal Separate Storm Sewer Systems**

Permit # VAR040058

Year One Annual Report

July 2008 – June 2009

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INTRODUCTION

In accordance with the requirements of this VSMP, an annual report is hereby submitted for the City of Fredericksburg's General Permit for Small Municipal Separate Storm Sewer Systems (MS4). The report presents the information requested in items (a) through (m) of the regulations, Section II, E 3.

a. Background Information

- 1) City of Fredericksburg General Permit Number #VAR040058
- 2) Annual Report Permit Year One – July 1, 2008 to June 30, 2009
- 3) There are no modifications to the City's roles and responsibilities under the permit.
- 4) There have been new MS4 outfalls added within the City during this first permit year. A total of 7 facilities have been added.
- 5) The signed registration statement is included in Appendix A of this report.

b. Status of compliance. The status of compliance with the permit conditions, an assessment of the appropriateness of the identified best management practices, and progress toward achieving the identified measureable goals for each of the minimum control measures is contained in the Appendix B spreadsheet.

c. Results of information collected. The City began a volunteer monitoring program in 2008. See Appendix C-2 for the location of monitoring sites established on MS4-owned property. Data has been collected to date, but not sufficient to allow the determination of any trends or perform any meaningful data analysis.

d. Planned stormwater activities. The following stormwater activities are programmed to be undertaken during the next reporting cycle – July 1, 2009 to June 30, 2010.

1. Monitoring by Certified volunteers
2. Dry weather screening of MS4 outfalls for illicit discharges
3. IDDE investigations
4. Continue Infrastructure Mapping
5. Increase SWMF maintenance oversight
6. Continue public education and outreach on stormwater impacts
7. Continue public involvement/participation
8. Continue maintenance oversight of the septic pump out program
9. Continue staff training
10. Continue application of the LID ordinance
11. Continue and enhance Pollution Prevention and Good Housekeeping

e. Program changes. There are no changes to report in best management practices or measureable goals for this reporting year.

f. Reliance on other entity. Not Applicable.

g. Approval status of any program: There are no programs operated by the City of Fredericksburg that are intended to replace any of the Minimum Control Measures contained in Section II B of the General Permit

h. Section I B 9 requirements. There have been no updates completed to the MS4 Program Plan and no new information regarding the TMDL WLA during PY1.

i. Illicit Discharges identified. The number of illicit discharges identified and the narrative on how they were controlled or eliminated are included in Appendix C-3.

j. Land disturbing activities. Information on regulated land-disturbing activities is reported in Appendix C-4.

k. Stormwater management facility data. All known permanent stormwater management facilities in the MS4 permitted area of the City of Fredericksburg are included in Appendix C-5.

l. Agreements. There are no new and no terminated signed agreements between the City of Fredericksburg and any other third party to implement all or portions of the permit's minimum control measures.

m. Written comments. There are no written comments received for the PY1 period regarding the MS4 Program Plan.

Appendix A

Signed Certification Statement

Beverly R. Cameron
City Manager



City of Fredericksburg
715 Princess Anne Street
P.O. Box 7447
Fredericksburg, VA 22404-7447
Telephone: 540 372-1080
Fax: 540 310-0636

December 2, 2009

Mr. Doug Frits, MS4 Program Manager
Department of Conservation and Recreation
Division of Soil and Water Conservation
MS4 Stormwater Permitting
203 Governor Street, Suite 206
Richmond, Virginia 23219

Re: VSMP General Permit for small MS4's, City of Fredericksburg, VAR040058

Dear Mr. Fritz,

In accordance with 4 VAC 50-60-1240 Section II (E)(3) and its VSMP small MS4 permit, VAR040058, enclosed is the required copy of the City of Fredericksburg's Year One Annual Report. This report summarizes the City's activities taken toward meeting the measurable goals during the period of July 1, 2008 through June 30, 2009.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

If you have any questions or need additional information, please do not hesitate to contact Mr. Kevin W. Utt of the Building and Development Services Department or Mr. David J. King of the Public Works Department.

Sincerely,

A handwritten signature in cursive script that reads "Beverly R. Cameron".
Mr. Beverly R. Cameron
City Manager

CC: Kevin W. Utt, Site Development Manager
Dave J. King, Assistant Director, Public Works

Appendix B

Status of Compliance with Permit Conditions MS4 Program Plan Spreadsheet with 2009 Updates

BMP 1 Public Outreach and Education							
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	FY 2009 Status
							Compliance met through the submission of this annual report
1.1	Administration	Yearly updates	Annually	B&DS and PW	10/01/09	per section II E 3	
1.2	Webpage	Review & update as needed	Annually	B&DS and PW	As needed	Permit & Annual updates	Updated June '09
1.3	Public Brochure	Review & update as needed	Annually	B&DS and PW	As needed	Appendix C-1	Updated as needed
1.4	Urban Nutrient Management Plan	Implementation	Annually	B&DS	TBD	TBD	Pending Certification
1.5	LID site demo	FOR educational site	Annually	FOR		Annual Report	See Appendix 2.1
	EPA Brownfield Assessment Grant						
1.6	Application	Identification of Sites	TBD	B&DS	TBD	Appendix C-1	Pending Award
1.7	City property outreach program	Advocacy & Education	TBD	B&DS and PW	TBD	Appendix C-1	Purchased property
	Fredericksburg Clean and Green						
1.8	Commission	Planning & Maintenance	Annually	PW	On Going	Appendix C-1	Updated as needed
1.9	Wetlands Board	Advocacy/Outreach & Education	Annually	B&DS	On Going	Annual Report/Minutes	Annual Report
	Green Infrastructure and						
1.10	Conservation Corridors Map	Informed land Use Decisions	Bi-Monthly	GWRC and Sub Committee		Report	Report
	Virginia Municipal Stormwater						
1.11	Association	Stormwater Management	Bi-Monthly	B&DS	On Going	VAMSA	Member
		Promote Advocacy & Education					
1.12	Non Point Work Group	on NPS	Bi-Monthly	B&DS	On Going	Minutes	Active
	Green Infrastructure Sub						
1.13	Committee	Promote Green Infrastructure	Bi-Monthly	B&DS	On Going	Minutes	Active

BMP 2 Public Involvement/Participation							
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	FY 2009 Status
2.1	FOR Partnership	Annual Report	Number and types of events	B&DS, PW and FOR	Annually	FOR 2008 Annual Report	Appendix C-2
2.2	Rapp & Rapidan Easement	Annual Plan	Review	PW and Nature Conservation	Annually	Annual Monitoring Report	Appendix C-2
2.3	Local Communication						
	Annual Meeting	Annual		B&DS, PW	Annually	Schedule	Appendix C-2
	Household						
	Hazardous Waste		Number of events/volume picked up				
2.4	Collection Days	Spring & Fall		PW	Semi Annual	Schedule	Appendix C-2
	City/Regional						
2.5	Recycling Center	Daily operation	Website, newspaper, government access channel	City, R-Board staff	Daily	Schedule	Appendix C-2
	Residential	Meet or exceed DEQ					
2.6	Curbside Recycling	recommended rate		PW	Schedule	Schedule	Appendix C-2
	Community Pride						
2.7	Week	Semi Annual	Website, newspaper, government access channel	PW	Schedule	Schedule	Appendix C-2
	Residential Bulk Waste Collection						
2.8	Program	Semi Annual	Website, newspaper, government access channel	PW	Semi Annual	Schedule	Appendix C-2
	Get the Dirt Out						
2.9	Program	Assist local government	Reports	B&DS and FOR	Annually	Reports	Appendix C-2

BMP 3 Illicit Discharge Detection and Elimination						
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents
	Develop & Administer IDDE Program	Operational & Effective Program	Annual Review	B&DS, PW	As needed	On going
	Training Field Employees	Appropriate Training	Annual Review	B&DS, PW	As needed	Schedule
	Investigation of Environmental Crimes	Investigate, Detect, Clean up and Impose Penalties	As reported	Fire Department	As needed	Log
	Storm Sewer Network Map	Continue building map and perform ORI	On going	B&DS, PW	On going	
	3.4 ORI Monitoring	Conduct 15% Annually	On going	B&DS, PW	On going	ORI sheets
	Septic Tank Pump					
	3.5 Out Program	Ensure compliance	On going	B&DS	On going	Inventory data

Appendix C-3

Appendix C-3

Appendix C-3

Appendix C-3

Annual report

FY 2009 Status

BMP 4 Construction Site Stormwater Runoff Control						
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents
4.1	ER&S Program	Regulation Compliance	AIP program	B&DS	On going	LDA report
					Quarterly meetings	
4.2	Wetlands Board	Quarterly meetings	Review permits	B&DS		Approved Minutes
		Review LDA requiring a				
4.3	RID requirement	RID	At plan review	B&DS	As submitted	Certificates
		Personnel Certification required				
4.4	Staff Training		Mandated	B&DS	As needed	Schedule
4.5	CBPA	Program compliance	Annual	B&DS	Annual	Approval letter
		State mandated requirements				
4.6	Site Plan Review		On going	B&DS	On going	On going
	Stream Baseline	Perform study and				
4.7	Study	Analysis	TBD	B&DS	TBD	TBD
						TBD

BMP 5 Post-Construction Stormwater Management in New Development and Redevelopment							
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	FY 2009
	BMP Inspection &						
5.1	Monitoring Program	Ensure mandated functionality	On going	B&DS	On going	Schedule	Appendix C-5
5.2	LID Ordinance	Adopt LID Ordinance	Adopted	B&DS	Adopted	Copy of Ordinance	Appendix C-5
5.3	BMP Retrofits	Meet TMDL WLA when assigned	Pending	B&DS/PW	Pending	Pending	Not assigned

BMP 6 Pollution Prevention/Good Housekeeping for Municipal Operations						
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents
		Maintain routine				
6.1	Street Sweeping Program	operation	Hours logged	PW	Hours	Schedule
						Appendix C-6
6.2	Annual Leaf Collection Program	Hold annual collections	Annual	PW	Annual	Schedule
						Appendix C-6
6.3	EMS	Maintain E2 rating	As required	PW	As required	Schedule
						Appendix C-6
6.4	Stormwater Inlet Maintenance	Ensure functionality	As required	PW	As required	Schedule
		Public awareness to				
6.5	Litter Control	eliminate violations	As required	City Police Department	As required	Ordinance
						On going
6.6	Inlet Trash Guard Program	Capture Trash & Debris	As needed	B&DS, PW	As Needed	Brochure/Schedule
						Appendix C-6

Appendix C-1

Exhibits for Minimum Control Measure #1

Public Outreach and Education

BMP 1.2	Update Annually	Responsible: B&DS, PW	PY 2009
Webpage	Jun-09		Updated

BMP 1.3	Responsible: B&DS, PW		YP 2009 Status
Public Brochues			Stock as needed
The virginia Storm Water Management Program			Stock as needed
A Guide to the Bay Act			Stock as needed
WQ and the Chesapeake Bay			Stock as needed
Riparian Buffers			Stock as needed
Non Point Source and You			Added
Homeowners Guide for the Rappahanock River Watershed			Added

BMP 1.4	PY 2009
Urban Nutrient Management Plan	Pending Staff Certification

BMP 1.7	PY 2009
City purchased 8.5 ac for public involvment/advocacy/education	Purchased, Program Under Development

BMP 1.8	Schedule	Measurable Goal	PY 2009
Fredericksburg Clean & Green Commission	Monthly meetings	Annual Report/Minutes	By Laws

EXHIBIT

BMP 1.8

Fredericksburg Clean and Green Commission

BY-LAWS

Article I Name

The name of this organization is, Fredericksburg Clean and Green Commission with its headquarters located in the City of Fredericksburg, Virginia.

Article II Purpose

The purpose of this Commission is to ensure effective planning and maintenance of landscape elements and amenities, and to encourage a clean and aesthetically pleasing environment in our City. The commission will serve the general welfare of the citizens and visitors of the City of Fredericksburg.

Article III Membership

1. Fourteen members shall be appointed to the Commission. Nine shall be voting members appointed by the City Council. The Voting members of the commission will include: four members, one representing each of the wards of Fredericksburg; three at-large members; one member shall be an arborist or an individual with experience in horticulture; one member shall be a member of City Council. Five ex officio members shall represent the Public Works Department, the Downtown Retail Merchants Association, the Parks and Recreation Department, the Planning Department and The R-Board.
2. The terms of office of the voting members of the commission shall be four (4) years.
3. The membership year of the Commission shall be from July 1 to June 30.
4. The fiscal year of the Commission shall be from July 1 through June 30.

Article IV Meetings

1. The members shall meet in assembly a minimum 10 times each year plus an organizational meeting in the beginning of the fiscal year, at a place and time selected by the Commission. No member shall miss more than two consecutive regular meetings or more than half of the regular meetings in any calendar year. If a voting member is absent without excuse for two consecutive meetings, the Commission may request immediate removal of the member from the Commission. Any voting member who has an excused absence must contact the Chair to maintain a working knowledge of the Commission's activities. Ex-Officio members who cannot attend a meeting shall appoint an appropriate substitute to attend the meeting. Special meetings may be called by the Chair or by a majority vote of the Commission. Only those matters contained in the notice for such special meeting may be acted upon at that special meeting. At least 7 days written notice shall be transmitted to all members and the public for all meetings.
2. A quorum of a meeting of the Commission shall be 5 of the appointed members.
3. The "organizational meeting" of the Commission shall be at a time and place fixed by the Commission. The agenda for the organizational meeting shall include the election of the officers of the Commission.

Article V Officers

1. The officers of the Commission shall be a Chair, a Vice-Chair, and a Secretary.

2. To be eligible for election to an office of the Commission, a member must be an active member (appointed by City Council) and must agree to be a candidate for the office.

3. The terms of the officers shall be 2 consecutive years. The term shall begin upon the election of the officer and shall end upon the election of the officer's successor.

4. The powers and duties of the officers shall be as follows:

CHAIR: A Chair shall be elected at the Commission's organizational meeting. The term of office for the Chair shall be for one year with a succeeding year if commission so desires. The Chair will rotate among all members of the Commission (members may decline) with the Vice-chair succeeding the Chair (if desired). The Chair shall preside at all meetings of the Commission and shall utilize Robert's Rules of Order in the conduct of said meetings. The Chair shall rule on all points of order and procedure regarding the implementation of these rules unless overruled by a majority vote of the Commission in session at that time. The Chair shall accept or make nominations or appointments to Commission subcommittees as necessary for the conduct of Commission business, with such appointments being made by a majority of the Commission in session at that time.

VICE-CHAIR: A Vice-Chair shall be elected at the organizational meeting of the Commission. The term of office for this position shall be the same as that of the Chair. The Vice-Chairperson shall act in the absence of the Chair and in so doing shall have all of the duties and powers of the Chair.

SECRETARY: A member of the Commission shall be elected to serve as Secretary to the Commission. The Secretary shall keep minutes and attendance. The term of office for this position shall be the same as that of the Chair.

Article VI Powers and Duties

1. The powers and duties of the Commission shall be as follows:

a. to make and amend its own by-laws;

b. to elect officers of the Commission, with open nominations and a quorum vote;

c. to adopt statements of policy and take actions appropriate to the purposes of this Commission;

d. to create special subcommittees to carry out recommendations that have been made by the commission;

e. to act as the final authority on all matters arising in this Commission, for which authority has not been given to some other officer or governance body by these bylaws;

f. to fix the time and place of the organizational meeting and other meetings of the Commission; and

g. to carry out such other duties and responsibilities as are customarily associated with the Commission.

Article VII Subcommittees

1. There shall be subcommittees of the Commission, as deemed necessary and approved by a quorum vote of the Commission.

2. The Chair shall appoint a member of the Commission to lead each subcommittee with the advice and consent of the Commission.

3. The members of each subcommittee may solicit the participation of volunteers interested in the specific activity of the subcommittee.

Article VIII Authority

1. The Commission shall be governed by resolutions by the Fredericksburg City Council, the Code of Virginia, the Fredericksburg City Code, these by-laws, and the standing rules of the Commission.

2. The latest edition of Robert's Rules of Order shall be the Parliamentary authority for the Commission on matters not governed by the by-laws and the standing rules.

Article IX Amendments to By-laws

1. These Bylaws and Rules of Procedure may be amended by a majority vote of Directors currently in office.

2. Unless otherwise provided for, the amendment(s) shall take effect immediately upon adoption.

Draft date October 1, 2008

BMP 1.9	Measurable Goal	PY 2009
Wetland Board	Annual Reports	Annual Reort

EXHIBIT

BMP 1.9

ANNUAL REPORT OF WETLANDS BOARD

OF THE

CITY OF FREDERICKSBURG

This Annual Report of the Wetlands Board of the City of Fredericksburg covers the period from October of 2007 to September of 2008. During this period the Wetlands Board held four regular meetings (October 25, 2007, January 24, 2008, April 25, 2008, and July 24, 2008). The meeting on January 24, 2008, lacked a quorum. A special meeting was held on March 6, 2008.

The current membership is as follows: Anthony A. Jenkins, Chairperson
Heidi A. Hubbell, Vice Chair
Donald R. Skinker, secretary
Linda D. Bailey
Angela G. Atkins
Holly Hubbell

During this period William F. Rhoades and Nicholas R. Watkins ceased to be members. Holly Hubbell became a new member. Anthony A. Jenkins, Heidi A. Hubbell, and Donald R. Skinker attended all meetings. Linda D. Bailey and Angela G. Atkins attended two regular meetings on October 25, 2007, and July 24, 2008. Holly Hubbell attended the special meeting on March 6, 2008, and two regular meetings on April 25, 2008, and July 24, 2008.

The Wetlands Board made the following recommendations to city council:

1. Pesticides and herbicides for the control of plants and animals must not be applied to or in wetlands without a permit from the Department of Public Works or other department within city government.
2. Establishment of reporting protocol for wetlands disturbances for the public and placement of this reporting protocol on the website of the City of Fredericksburg
3. City council should consider the purchase of two parcels consisting of 13 acres and 21 acres along Fall Hill Avenue with potential funding in whole or in part from grants from environmental and historical organizations.

Other actions taken by the Wetlands Board:

- a. There was discussion on the canal intake project. In accordance with an unanimous request, the Chairperson dispatched a joint letter to the Army Corps of Engineers and the Director of Public Works on concerns of the Wetlands Board on the canal intake project. ~~Neither party responded.~~
- b. The Chairperson reported that Westmoreland County, Spotsylvania County, and Stafford County have littering ordinances with class one misdemeanor punishment. In accordance with an unanimous request, the Chairperson mailed a letter to the Director of Public

Works to request enforcement of existing littering ordinances with emphasis on littering by businesses. The Chairperson also corresponded with the Chief of Police and the Assistant Director of Public Works about the unkempt conditions of dumpsters. The Chief of Police responded by promising to enforce the dumpster ordinances and to respond to complaints. No police officers shall be assigned solely to enforce dumpster ordinances. The Department of Public Works replied by denying enforcement jurisdiction. Location sites of dumpsters are selected by the Planning and Zoning Department. The Assistant Director of Public Works promised to consider the installation of litter prevention signs. He suggested contact with the Rappahannock Solid Waste Management Board.

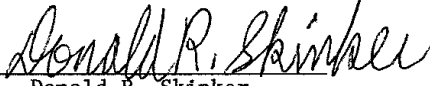
- c. There was discussion on the progress of the FEMA floodplane digital map.
- d. Throughout the year Heidi A. Hubbell reported on her canal watershed study. All points where the water enters the canal have been located. Funding to cover expenses has not been obtained. She seeks a basis map of the canal. Works continues.
- e. The Chairperson inquired to city staff about the wetlands impact of the proposed Canterbury project. There was no response.
- f. The Wetlands Board continued to encourage city council to name the cossey pond area as "Gordon Shelton Memorial Park." (The recommendation was formerly made in prior year.)
- g. By unanimous vote the Chairperson was instructed to dispatch a letter to the Site Department Manager (Kevin W. Utt) to have a copy of site plans submitted to the Wetlands Board for review of disturbances to wetlands.
- h. Chairperson dispatched a letter to Virginia Department of Game and Inland Fisheries concerning the Urban Fishing Programs. There has been no reponse.
- i. Heidi A. Hubbell informed the Wetlands Board about the Association of State Wetlands Managers, Inc.
- j. Heidi A. Hubbell stated that the city should develop a watershed management study with possible funding from outside sources.
- k. Compensation to members was discussed. No action was taken.
- l. There was discussion about the cutting and removal of vegetation along the canal adjacent to Quarles petroleum company and near Snowden Pond.
- m. Chairperson requested city council to appoint an alternate member.

Miscellaneous information pesticides and herbicides use:

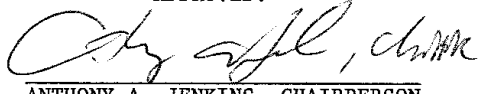
After recommending to city council against the use of pesticides and herbicides by private persons along the canal and wetlands without permit, councilman Solly on March 25, 2008, referred this recommendation to city manager for study and a report. By letter dated July 7, 2008, city manager informed the Chairperson that the report is forthcoming. According to city manager the Department of Public Works does not use pesticides and herbicides. The Park, Recreation and Public Facilities Department does not use herbicides and pesticides in wetlands. In other areas it applies herbicides and pesticides in accordance with regulations of the Virginia Department of Agriculture and Consumer Affairs.

Throughout the year Debra M. Ward, Zoning Officer, greatly assisted the Wetlands Board. Her assistance enabled the Wetlands Board to have another successful year and is appreciated.

Respectfully submitted:


Donald R. Skinker
secretary

APPROVED:


ANTHONY A. JENKINS, CHAIRPERSON

ANNUAL REPORT OF THE WETLANDS BOARD

OF THE

CITY OF FREDERICKSBURG

This Annual Report of the Wetlands Board of the City of Fredericksburg covers the period from October of 2008 to September of 2009. During this period the Wetlands Board held four regular meetings (October 23, 2008, January 22, 2009, April 30, 2009, and July 23, 2009). The meeting on January 22, 2009, lacked a quorum. A field trip occurred on July 9, 2009.

The current membership is as follows: Anthony A. Jenkins, Chairperson
Heidi A. Hubbell, Vice Chair
Donald R. Skinker, secretary
Linda D. Bailey
Angela G. Atkins
Holly Hubbell
Richard K. Friesner

During this period Richard K. Friesner became a new member. Anthony A. Jenkins, Angela G. Atkins, and Donald R. Skinker attended all the meetings. Heidi A. Hubbell, Linda D. Bailey, and Holly Hubbell attended three regular meetings on October 23, 2008, April 30, 2009, and July 23, 2009. Richard K. Friesner attended two meetings on April 30, 2009, and July 23, 2009. Anthony A. Jenkins, Richard K. Friesner, and Donald R. Skinker participated in the field trip on July 9, 2009.

The Wetlands Board adopted the following recommendations for city council:

1. At city dock there should be an environmental sign making reference to the river.
2. At city dock efforts should be made to improve the appearance of the dumpster.
3. At city dock the Virginia Department of Games and Inland Fishiers should be contacted to the explore the planting of aquatic vegetation.
4. At city dock the island in the parking lot should be modified to capture some of the runoff from the parking lot. (biofiltration)
5. At city dock native trees should be planted along the hillside between the parking lot and the Beck property.
6. Landscaping is needed at Embrey Power Station.
7. The owner of Embrey Power Plant should be contacted to ascertain the future plans for the building.

Fall Hill Avenue property:

City council refused to pursue purchase of the land. Holly Hubbell continued her efforts to protect the real estate from development. She reported to the Wetlands Board the listing price of the land, and she talked with the listing real estate agent. Among other items she investigated the possible use of grants to finance in whole or in part the purchase of the land. The Wetlands Board authorized the Chairperson to dispatch letters to the Nature Conservancy, the Central Virginia Battlefield Trust, and the Civil War Preservation Trust to request the purchase of the property. There has been no response to the letters.

Rappahannock Canal:

- a. There were discussions on littering along the canal.
- b. Heidi Hubbell continued her canal study. Throughout the year she reported her progress on the canal work. Holly Hubbell assisted in this canal study. Heidi Hubbell shared her data with Kevin W. Utt, site development manager. Mr. Utt found the data helpful and expressed his appreciation.
- c. Kevin W. Utt contacted Quarles petroleum company about its illegal removal of vegetation along the canal.

Educational mailing on wetlands:

Linda D. Bailey and Angela G. Atkins worked on an educational mailing on wetlands to be inserted along with the water and sewer bills. They present a proposed mailing to which the members expressed praise. The cost to print the mailings is \$525.00. Perhaps funding is obtainable from a grant. The mailing requires the consent of the Treasurer.

Wetlands Board website:

Debra Ward, Zoning Officer, supplied the Wetlands Board members with a copy of the website of the Wetlands Board. The members were very pleased with the content, and appreciated the hard work in its creation. Among other valuable information it includes the reporting protocol for wetlands violations.

New member: Richard K. Friesner

The Wetlands Board welcomed its newest member (Richard K. Friesner). His contributions especially during the field trip are appreciated.

Kevin W. Utt, site development manager, informed the Wetlands Board of sundry items:

- a. the Canterbury project
- b. buffers adjacent to all wetlands
- c. the availability of site plans for review by Wetlands Board
- d. mitigation funds for Hazel Run
- e. the MS4 project (Municipal Separate Storm and Sewer System)
- f. the use of pesticides and herbicides in the city
- g. meeting among federal and state agencies and Stafford County and city at Old Mill Park to address dredging the Rappahannock River
- h. updating resource map under Chesapeake Bay act
- i. the "green" infrastructure meeting at George Washington Regional Commission office
- j. stream restoration program at Celebrate Virginia
- k. low impact development ordinance
- l. stormwater regulations
- m. Virginia Citizen for Water Quality summit
- n. seminars by Virginia Institute of Marine Science
- o. the dumpsters at city dock
- p. reporting wetlands violations
- q. programs to educate the public on wetland issues

Other miscellaneous topics:

1. building activity adjacent to Smith Run
2. appointment of alternate member
3. the PEG CHANNEL
4. identification cards or business cards to members
5. selection of watershed sites to direct special attention for their improvement
6. ascertaining financial grants for wetlands issues

Throughout the year Debra M. Ward, Zoning Officer, and Kevin W. Utt, site development manager, greatly assisted the Wetlands Board. Their assistance enabled the Wetlands Board to have another successful year. The members thank them for their help.

Respectfully submitted:

APPROVED:

Donald R. Skinker, secretary

ANTHONY A. JENKINS, CHAIRPERSON

BMP 1.10	Measurable Goal	Metric	Responsible Party	Timeline	Associated Documents	PY 2009
Green Infrastructure & Conservation Corridor Map	Informed Land Use Decisions	Bi Monthly	GWRC & Sub Committee Staffed by B&DS		Report	Report

EXHIBIT

BMP 1.10

BMP 1.11	Measureable Goal	Metric	Responsible Party	Timeline	Associated Documents	PY 2009
Virginia Municiple Stormwater Association	Stormwater Management	Bi Monthly	B&DS	On going	VAMSA	Member

EXHIBIT

BMP 1.11

[Home](#)[About
VAMSA](#)[Membership
Information](#)[Contact Us](#)[Members
Only
Reference
Center](#)

About VAMSA

The Virginia Municipal Stormwater Association, Inc. (VAMSA) was formed as a statewide association of local governments that own and operate regulated municipal separate storm sewer systems (MS4s). VAMSA's Agency Members are:

- Albemarle County
- Arlington County
- City of Charlottesville
- City of Chesapeake
- Fairfax County
- Falls Church
- Fredericksburg
- Hanover County
- City of Harrisonburg
- Henrico County
- Loudoun County
- City of Lynchburg
- City of Norfolk
- City of Richmond
- Stafford County
- City of Virginia Beach

In addition, leading engineering firms may participate through an affiliate membership to keep abreast of changing policies and to support VAMSA members with their exceptional technical expertise. Consultant Members are:

- AECOM
- CDM
- CH2M Hill
- Greeley and Hansen
- Hazen and Sawyer
- Malcolm Pirnie
- Michael Baker Jr., Inc.
- PBSJ
- Timmons Group

VAMSA's primary goals are to provide a venue for local governments to share knowledge on stormwater management; to establish and maintain good working relationships with federal, state and local officials; to encourage the establishment of sound policy relating to stormwater management; and to assist in the development of laws, regulations and policies based on good science and technology and sound management practices.

VAMSA is actively involved with state and, as needed, federal policy makers on every major stormwater issue in Virginia critical to effective management of stormwater systems, such as:

- MS4 VSMP (NDPES) Permits (Phase I and Phase II)
- Stormwater Management Regulations (Post-Development Runoff)
- Water Quality Standards & TMDLs for Urban Streams
- Chesapeake Bay Tributary Strategies, TMDL & Wasteload Allocations
- Chesapeake Bay Preservation Act Local Implementation
- Dam Safety Regulations & Inundation Zone Policies

For a more detailed letter from VAMSA's Board of Directors about VAMWA's purpose and benefits, simply **contact us** by email.

Appendix C-2

Exhibits for Minimum Control Measure #2

Public Participation

BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	FY 2009 Status
2.1	FOR Partnership	Annual Report	Number and types of events	B&DS, PW and FOR	Annually	FOR 2008 Annual Report	Appendix C-2

EXHIBIT

BMP 2.1

BMP 2.2	Number/Metric	Type	Violations Issued	Fines	Mitigation	Locality	Location/Description	PV 2009
								On going monitoring operations
Unauthorized Encroachments	20-25							
Mining operations	4							
Noticable Trash increases	500 lbs							
Erosion issues	2							
Trespassing								
Unauthorized Trails	10							
Illegal activities	1	tire dump						
Environmental Issues/Impacts	1							
Other								

BMP 2.3		
Meetings	Dates	PY 2009
NPWG	5.6.09,5.20.09,6.3.09,7.8.09,9.10.09,9.30.09,11.4.09	on going throughout the permit cycle
Green Earth Sub Committee	5.12.09,6.9.09,7.14.09,9.8.09,11.10.09	on going throughout the permit cycle
Local MS4 YR2008	6.24.08, 11.19.08	on going throughout the permit cycle
Local MS4 YR2009	2.24.09, 7.8.09	on going throughout the permit cycle
VAMSA	Quarterly meetings and scheduled conference calls	on going throughout the permit cycle

[illegible]

BMP 2.5	Metric	PY 2009
Days	Hours of Operation	Operated under all normal operating hours
Monday-Friday	8:00 a.m. -5:00 p.m.	
Saturdays	8:00a.m.-4:00 p.m.	
Sundays	8:00a.m.-3:00p.m.	

BMP 2.6		
	PY2006-PY2007	PY 2008-PY2009
Regional Recycling rate	30.00%	46.69%

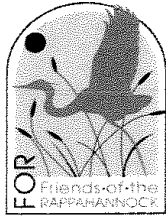
BMP 2.7		
COMMUNITY PRIDE WEEK - October 2009		PY 2009
LOCATION		TONS
HOWISON AVENUE & AIRPORT AVE. (MAYFIELD)		10.56
SUMMIT STREET		7.94
OLD WATER TREATMENT PLANT (1505 KENMORE AVE)		4.8
RIVERSIDE DRIVE AT FALL HILL AVE.		3.6
SHEPHERD STREET (905 LAFAYETTE BLVD. - BEHIND 7-11)		2.94
ALTOONA DRIVE (SAM PERRY FIRE HOUSE)		3.8
RAPPAHANNOCK AVE.		1.72
BRAEHEAD WOODS (NEAR MEADE CT.)		3.54
BRAGG HILL		4.3
	TOTAL	43.20

BMP 2.8	Responsible: PW	Metric	PY 2009 total
Dates		Semi annual	56 Tons
January 12-16, 2009		29 tons	
July 20-24, 2009		27 tons	

BMP 2.9	Program Start Date	PY 2009
Get the Dirt Out Program	Oct-09	On going

EXHIBIT

BMP 2.9



Friends of the Rappahannock
Advocacy • Restoration • Education

P.O. Box 7254 • Fredericksburg, VA 22404
Ph (540) 373-3448 • Fax (540) 373-8111
Email: info@riverfriends.org
Web: www.riverfriends.org

Mr. Kevin Utt
City of Fredericksburg
Building and Development Services

October 20, 2009

Dear Mr. Utt,

Thank you for meeting with me to discuss our new "Get the Dirt Out" program. As I mentioned, a number of river and watershed conservation organizations across the country are launching programs to assist local governments in the identification of erosion and sediment control problems on construction sites. The program, called "Get the Dirt Out", is an effort to leverage the value of a network of trained citizen volunteers to support local E&S programs.

Friends of the Rappahannock would like to launch such a program here with each local government in the Rappahannock River watershed. We would like to introduce the program incrementally, working first with a few pilot localities. We have already set up a cooperative program with Stafford County, and we would appreciate the opportunity to do the same with the City of Fredericksburg.

I would like to describe how we would propose to set up the project. First, let me outline some key principles of our approach that we feel are important:

1. Citizens *may not trespass* onto private property. All viewing of E&S measures must be done from the public right-of-way.
2. All citizens reporting violations *must be trained first*, in order to avoid wasting inspector's valuable time with "muddy water" reports that are actually not violations.
3. All citizen reports are sent to the FOR professional staff for review, not directly to the County, again for the same reason. If we feel the site constitutes a probable violation, then we forward the information to the locality.

Here is how we would propose to set up the program:

1. FOR would recruit small groups of volunteers for trainings on a regular basis, perhaps 2 - 3 times per year.
2. FOR and its partner localities would work together to train the volunteers in how to identify possible E&S violations. Training materials have already been developed for the Get the Dirt Out program, and we could augment them with the expertise of City staff, if you desire to participate in the training.
3. FOR and the locality would establish a protocol for reporting sites. We have a custom internet mapping tool available that allows volunteers to mark the site on an online map. They can upload digital photos and tag them to the site, along with an online reporting form. Our intent is that the entire reporting process could be done digitally, thereby allowing the locality staff to simply view the photos and the report online for a

preliminary assessment. This would again help ensure that inspectors only expend their time on a site where there is a verified problem.

4. Over the course of 12 months, we would pilot the process, solicit your feedback, and work out the kinks, as needed.

After a successful 1-year pilot project, we plan to work to replicate the Get the Dirt Out project with other jurisdictions in the watershed.

We are very excited about the possibility to continue partnering with the City on an initiative that will help the water quality on our region. Thanks again for meeting with me, and I will be in touch with more information soon.

Best Regards,

A handwritten signature in black ink that reads "John P. Tippet". The signature is written in a cursive, flowing style.

John P. Tippet
Executive Director

Appendix C-3

Exhibits for Minimum Control Measure #3

Illicit Discharge Detection and Elimination

BMP 3.2			
PY 2009			
Location	Violation	Result	Controlled
3199 Cowan Blvd	Diesel fuel dumping	Charged-Fined	Cleaned up
1208 Central Park Blvd	Hydraulic fluid spill	Charged-Fined	Cleaned up
199 Cetral Road	Diesel fuel dumping	Charged-Fined	Cleaned up
525 Caroline Street	Oil spill	Charged-no fine	Cleaned up
1125 Summit Street	Gasoline dumping	Charged-Fined	Cleaned up

BMP 3.3						
Location	Outfalls	Date	ORI's	HUC/acreage	Impaired	Schedule
Rapp River	22	2008	22	RA46/6,200ac	Yes	not converted yet
City Canal	22	2009	22	RA46/6,200ac		see BMP 3.3 attachment

EXHIBIT

BMP 3.3

ATTACHMENT

BMP 3.5	Measurable Goal	Metric	Responsible Party	Timeline	Associated Documents	PY 2009
Septic Tank Pump Out Program	Ensure compliance	On going	B&DS	On going	Inventory data	Appendix C-3

EXHIBIT

BMP 3.5

SEPTIC IN THE CITY**UPDATED 11/30/2008**

<u>Address/Owner</u>	<u>Ret Date</u>	<u>Pump Date</u>	<u>5-Yr Pump Date</u>
6 Briscoe Lane—Garb Only Mr. & Mrs. Henry H. Black 6 Briscoe Lane Fredericksburg, VA 22401	2/19/2008	10/28/2006	10/28/2011
8 Briscoe Lane-Garb Only Mr. Ronald K. Frazier P O Box 764 Culpeper, VA 22701	3/6/2008	Fall 2006 (No Paperwork)	9/1/2011
28 Briscoe Lane-N/A Mr. William Stephens Ms. Cassandra Coleman 28 Briscoe Lane Fredericksburg, VA 22401	3/3/2008	4/15/2007	4/15/2012
30 Briscoe Lane-N/A Mr. & Mrs. Gary Coleman 30 Briscoe Lane Fredericksburg, VA 22401	5/29/2008	11/28/2006	11/28/2011
42 Briscoe Lane-Garb Only Mr. & Mrs. Dwight Carter 42 Briscoe Lane Fredericksburg, VA 22401	3/26/2008	10/4/2006	10/4/2011
44 Briscoe Lane—N/A (2 septic systems with drainfields) 1 for House and 1 for Trailer Park (4 max) Ms. Carol Coleman Ms. Bonnie Carter Ms. Gloria Whittaker 30 Briscoe Lane Fredericksburg, VA 22401	5/29/2008	5/27/2008	5/27/2013
109 Courtland Drive—Water Only Mr. & Mrs. John Franklin 109 Courtland Drive Fredericksburg, VA 22401	2-25-08 8/13/2007	8/13/2012	

Septic in the City – Page 2

<u>Address/Owner</u>	<u>Ret Date</u>	<u>Pump Date</u>	<u>5-Year Pump Date</u>
117 Courtland Dr–Water Only Mr. Richard W. Roper P O Box 1180 Spotsylvania, VA 22553			
121 Courtland Dr–Water Only Ms. Agnes V. Boutchyard 121 Courtland Drive Fredericksburg, VA 22401	3/5/2008	6/13/2005	6/13/2010
30 Curtis Estates–N/A Mr. Donald W. Thomas 30 Curtis Estates Fredericksburg, VA 22401	2/28/2008	5/4/2007	5/4/2012
40 Curtis Estates–N/A Mr. Richard L. Sullivan 40 Curtis Estates Fredericksburg, VA 22401	2/28/2008	4/12/2003	4/12/2008
1011 Jill's Place (Formerly 70 Curtis Estates) Ms. Phyllis Damron Hall 1011 Jill's Place Fredericksburg, VA 22401	4/3/2008	3/31/2008	3/31/2013
1801 Dixon Street – Water Only Ms. Mary W. Taylor 1204 Prince Edward Street Fredericksburg, VA 22401			
1805 Dixon Street–Water Only Weber S. Taylor 1204 Prince Edward Street Fredericksburg, VA 22401			
3315 Fall Hill Avenue (2 houses) Garbage Only Mr. & Mrs. Barry J. Kefauver	5/13/2008	5/9/2008	5/9/2013

3315 Fall Hill Avenue
Fredericksburg, VA 22401

Septic in the City – Page 3

<u>Address/Owner</u>	<u>Ret Date</u>	<u>Pump Date</u>	<u>5-Yr Pump Date</u>
3319 Fall Hill Ave-Garb Only (Land Only) c/o Mary Jane O'Neill 530 Princess Anne Street Fredericksburg, VA 22401	2/20/08	No Septic	
3441 Fall Hill Avenue-N/A (No Listing in Real Estate)			
Graves Property-Garb Only (Fall Hill Ave & Cowan Blvd)			
2203 Hays Street–Water Only Mr. & Mrs. Julius M. Jones 2203 Hays Street Fredericksburg, VA 22401	2/22/08	6/1/2006	6/1/2011
2205 Hays Street–Water Only Ms. Gail S. Jones c/o Gail S. Jones Newton 431 Hartwood Road Fredericksburg, VA 22406	5/15/2008	5/15/2008	5/15/2013
2206 Hays Street–Water Only Narrow Gauge Development LLC 420 Hudgins Road, Ste 101 Fredericksburg, VA 22408			
2207 Hays Street-Water Only Mr. & Mrs. Lawrence I. Thuotte 2207 Hays Street Fredericksburg, VA 22401			
2208 Hays Street-Garb Only Mr. & Mrs. Frederick Hwee 1303 Walker Drive Fredericksburg, VA 22401			

Septic in City, Page 4

<u>Address/Owner</u>	<u>Ret Date</u>	<u>Pump Date</u>	<u>5-Yr Pump Date</u>
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2210 Hays Street--Water Only
Mr. & Mrs. Frederick Hwee
1303 Walker Drive
Fredericksburg, VA 22401

1717 Highland Rd-Water Only

Ms. Sherry Daisey

Mr. Charles B. Smith

7101 Pineberry Court

Spotsylvania, VA 22553

2221 Jeff Davis Hwy--Water Only
(No Listing in Real Estate)

3301 Jeff Davis Hwy--Water Only	5/15/2008	8/22/2007	8/22/2012
3303 Jeff Davis Hwy- Water Only			
Mr. Angelo Logan			
175 Mine Road			
Stafford, VA 22554			

123 Lee Drive -- Sewer Only	2/21/08	No Septic	
Mr. W. Graham Stephens			
P O Box 157			
Troutville, VA 24175			

300 Lee Drive--Water Only	4/28/2008	4/21/2008	4/21/2013
Mr. & Mrs. Garrett W. Wood			
300 Lee Drive			
Fredericksburg, VA 22401			

302 Lee Drive--Water Only	2/19/08	2/14/2008	2/14/2013
Mr. Murray M. Van Lear II			
700 Princess Anne Street			
Fredericksburg, VA 22401			

1009 Mahone Street--Water Only

(No Listing in Real Estate)

2313 Oak Street-Water Only

Ms. Mary Wine

2313 Oak Street
Fredericksburg, VA 22401

Septic in City – Page 5

<u>Address/Owner</u>	<u>Ret Date</u>	<u>Pump Date</u>	<u>5-Yr Pump Date</u>
----------------------	-----------------	------------------	-----------------------

1005 Oakwood St–Water Only Mr. John E. Burruss, Sr. 1005 Oakwood Street Fredericksburg, VA 22401	3/28/2008	3/27/2008	3/27/2013
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1006 Oakwood St–Water Only

Mr. Edmond S. Covey
1006 Oakwood Street
Fredericksburg, VA 22401

1008 Oakwood St–Water Only James M. Bowen Co. 2205 William Street Fredericksburg, VA 22401	5/8/2008	4/30/2008	4/30/2013
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1101 Oakwood St–N/A Florence and Rupert Monroe 1101 Oakwood Street Fredericksburg, VA 22401	3/5/2008	No Cert Provided (Listed 2006)	
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113 Poplar Dr–Garb Only

Mr. Davis A. House
113 Poplar Drive
Fredericksburg, VA 22401

117 Poplar Dr– N/A

Mr. Warren D. Smith
117 Poplar Drive
Fredericksburg, VA 22401

118 Poplar Dr–Water Only Mr. & Mrs. Raymond L. Stanley 118 Poplar Drive Fredericksburg, VA 22401	2/26/08 2/21/2008	2/21/2013	
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5321 River Road – N/A Ms. Sharon L. Bradshaw Mr. Tomas F. Rodriguez	2/27/08 2/24/2005	2/24/2010	
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P O Box 573
Woodstock, VA 22664
Septic in City – Page 6

<u>Address/Owner</u>	<u>Date Ret</u>	<u>Pump Date</u>	<u>5-Yr Pump Date</u>
5515 River Road–Garb Only Ms. Suzanne E. Willis 5515 River Road Fredericksburg, VA 22401	5/24/2008	5/22/2004	5/22/2009
5517 River Road–Garb Only Mr. & Mrs. John C. Neal 5517 River Road Fredericksburg, VA 22401	7/1/2008	10/27/2007	10/27/2012

*12 Seneca Terrace–Water Only 2/15/08 No Septic
Mr. & Mrs. Kevin Mullane
12 Seneca Terrace
Fredericksburg, VA 22401

1501 Gateway Boulevard
Straughan Property – N/A
Structure Damaged by Fire
(Behind Home Depot)
City of Fredericksburg
715 Princess Anne Street, Fred., VA 22401

1130 Tyler St–Water Only
Jane F. Snead &
Jane F Life Estate
1130 Tyler Street
Fredericksburg, VA 22401

1512 William St–Water Only
University of Mary Washington
Foundation
1119 Hanover Street
Fredericksburg, VA 22401

1715 William St–Water Only Marian Richardson 1715 William Street Fredericksburg, VA 22401	5/22/2008	11/22/2004	11/22/2009
--	-----------	------------	------------

1801 William St–Water Only 2/15/2008 No Septic
IYS XI, L.C.

5511 Staples Mill Road, Ste 102

Richmond, VA 23228

Properties that we have not received paperwork from

Properties that we received paperwork from stating No Septic

Properties that utility Billing has not account set up for but may be connected to Sewer

Appendix C-4

Exhibits for Minimum Control Measure #4

Construction Site Stormwater Runoff Control

BMP 4.1		
	PY 08	PY 09
LDA	77.33ac	62.43ac

BMP 4.2	Measurable Goal	Metric	Responsible Party	Timeline	Associated Documents	PY 2009
Wetlands Board	Quarterly Meetings	Review Permits	B&DS	On Going	Approved Minutes	Appendix C-4

EXHIBIT

BMP 4.2

ANNUAL REPORT OF THE WETLANDS BOARD

OF THE

CITY OF FREDERICKSBURG

This Annual Report of the Wetlands Board of the City of Fredericksburg covers the period from October of 2008 to September of 2009. During this period the Wetlands Board held four regular meetings (October 23, 2008, January 22, 2009, April 30, 2009, and July 23, 2009). The meeting on January 22, 2009, lacked a quorum. A field trip occurred on July 9, 2009.

The current membership is as follows: Anthony A. Jenkins, Chairperson
Heidi A. Hubbell, Vice Chair
Donald R. Skinker, secretary
Linda D. Bailey
Angela G. Atkins
Holly Hubbell
Richard K. Friesner

During this period Richard K. Friesner became a new member. Anthony A. Jenkins, Angela G. Atkins, and Donald R. Skinker attended all the meetings. Heidi A. Hubbell, Linda D. Bailey, and Holly Hubbell attended three regular meetings on October 23, 2008, April 30, 2009, and July 23, 2009. Richard K. Friesner attended two meetings on April 30, 2009, and July 23, 2009. Anthony A. Jenkins, Richard K. Friesner, and Donald R. Skinker participated in the field trip on July 9, 2009.

The Wetlands Board adopted the following recommendations for city council:

1. At city dock there should be an environmental sign making reference to the river.
2. At city dock efforts should be made to improve the appearance of the dumpster.
3. At city dock the Virginia Department of Games and Inland Fishiers should be contacted to the explore the planting of aquatic vegetation.
4. At city dock the island in the parking lot should be modified to capture some of the runoff from the parking lot. (biofiltration)
5. At city dock native trees should be planted along the hillside between the parking lot and the Beck property.
6. Landscaping is needed at Embrey Power Station.
7. The owner of Embrey Power Plant should be contacted to ascertain the future plans for the building.

Fall Hill Avenue property:

City council refused to pursue purchase of the land. Holly Hubbell continued her efforts to protect the real estate from development. She reported to the Wetlands Board the listing price of the land, and she talked with the listing real estate agent. Among other items she investigated the possible use of grants to finance in whole or in part the purchase of the land. The Wetlands Board authorized the Chairperson to dispatch letters to the Nature Conservancy, the Central Virginia Battlefield Trust, and the Civil War Preservation Trust to request the purchase of the property. There has been no response to the letters.

Rappahannock Canal:

- a. There were discussions on littering along the canal.
- b. Heidi Hubbell continued her canal study. Throughout the year she reported her progress on the canal work. Holly Hubbell assisted in this canal study. Heidi Hubbell shared her data with Kevin W. Utt, site development manager. Mr. Utt found the data helpful and expressed his appreciation.
- c. Kevin W. Utt contacted Quarles petroleum company about its illegal removal of vegetation along the canal.

Educational mailing on wetlands:

Linda D. Bailey and Angela G. Atkins worked on an educational mailing on wetlands to be inserted along with the water and sewer bills. They present a proposed mailing to which the members expressed praise. The cost to print the mailings is \$525.00. Perhaps funding is obtainable from a grant. The mailing requires the consent of the Treasurer.

Wetlands Board website:

Debra Ward, Zoning Officer, supplied the Wetlands Board members with a copy of the website of the Wetlands Board. The members were very pleased with the content, and appreciated the hard work in its creation. Among other valuable information it includes the reporting protocol for wetlands violations.

New member: Richard K. Friesner

The Wetlands Board welcomed its newest member (Richard K. Friesner). His contributions especially during the field trip are appreciated.

Kevin W. Utt, site development manager, informed the Wetlands Board of sundry items:

- a. the Canterbury project
- b. buffers adjacent to all wetlands
- c. the availability of site plans for review by Wetlands Board
- d. mitigation funds for Hazel Run
- e. the MS4 project (Municipal Separate Storm and Sewer System)
- f. the use of pesticides and herbicides in the city
- g. meeting among federal and state agencies and Stafford County and city at Old Mill Park to address dredging the Rappahannock River
- h. updating resource map under Chesapeake Bay act
- i. the "green" infrastructure meeting at George Washington Regional Commission office
- j. stream restoration program at Celebrate Virginia
- k. low impact development ordinance
- l. stormwater regulations
- m. Virginia Citizen for Water Quality summit
- n. seminars by Virginia Institute of Marine Science
- o. the dumpsters at city dock
- p. reporting wetlands violations
- q. programs to educate the public on wetland issues

Other miscellaneous topics:

1. building activity adjacent to Smith Run
2. appointment of alternate member
3. the PEG CHANNEL
4. identification cards or business cards to members
5. selection of watershed sites to direct special attention for their improvement
6. ascertaining financial grants for wetlands issues

Throughout the year Debra M. Ward, Zoning Officer, and Kevin W. Utt, site development manager, greatly assisted the Wetlands Board. Their assistance enabled the Wetlands Board to have another successful year. The members thank them for their help.

Respectfully submitted:

APPROVED:

Donald R. Skinker, secretary

ANTHONY A. JENKINS, CHAIRPERSON

ANNUAL REPORT OF WETLANDS BOARD

OF THE

CITY OF FREDERICKSBURG

This Annual Report of the Wetlands Board of the City of Fredericksburg covers the period from October of 2007 to September of 2008. During this period the Wetlands Board held four regular meetings (October 25, 2007, January 24, 2008, April 25, 2008, and July 24, 2008). The meeting on January 24, 2008, lacked a quorum. A special meeting was held on March 6, 2008.

The current membership is as follows: Anthony A. Jenkins, Chairperson
Heidi A. Hubbell, Vice Chair
Donald R. Skinker, secretary
Linda D. Bailey
Angela G. Atkins
Holly Hubbell

During this period William F. Rhoades and Nicholas R. Watkins ceased to be members. Holly Hubbell became a new member. Anthony A. Jenkins, Heidi A. Hubbell, and Donald R. Skinker attended all meetings. Linda D. Bailey and Angela G. Atkins attended two regular meetings on October 25, 2007, and July 24, 2008. Holly Hubbell attended the special meeting on March 6, 2008, and two regular meetings on April 25, 2008, and July 24, 2008.

The Wetlands Board made the following recommendations to city council:

1. Pesticides and herbicides for the control of plants and animals must not be applied to adjacent to or in wetlands without a permit from the Department of Public Works or other department within city government.
2. Establishment of reporting protocol for wetlands disturbances for the public and placement of this reporting protocol on the website of the City of Fredericksburg
3. City council should consider the purchase of two parcels consisting of 13 acres and 21 acres along Fall Hill Avenue with potential funding in whole or in part from grants from environmental and historical organizations.

Other actions taken by the Wetlands Board:

- a. There was discussion on the canal intake project. In accordance with an unanimous request, the Chairperson dispatched a joint letter to the Army Corps of Engineers and the Director of Public Works on concerns of the Wetlands Board on the canal intake project. ~~Neither party responded.~~
- b. The Chairperson reported that Westmoreland County, Spotsylvania County, and Stafford County have littering ordinances with class one misdemeanor punishment. In accordance with an unanimous request, the Chairperson mailed a letter to the Director of Public

Works to request enforcement of existing littering ordinances with emphasis on littering by businesses. The Chairperson also corresponded with the Chief of Police and the Assistant Director of Public Works about the unkempt conditions of dumpsters. The Chief of Police responded by promising to enforce the dumpster ordinances and to respond to complaints. No police officers shall be assigned solely to enforce dumpster ordinances. The Department of Public Works replied by denying enforcement jurisdiction. Location sites of dumpsters are selected by the Planning and Zoning Department. The Assistant Director of Public Works promised to consider the installation of litter prevention signs. He suggested contact with the Rappahannock Solid Waste Management Board.

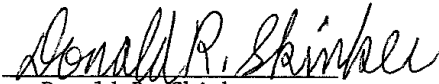
- c. There was discussion on the progress of the FEMA floodplane digital map.
- d. Throughout the year Heidi A. Hubbell reported on her canal watershed study. All points where the water enters the canal have been located. Funding to cover expenses has not been obtained. She seeks a basis map of the canal. Works continues.
- e. The Chairperson inquired to city staff about the wetlands impact of the proposed Canterbury project. There was no response.
- f. The Wetlands Board continued to encourage city council to name the cossey pond area as "Gordon Shelton Memorial Park." (The recommendation was formerly made in prior year.)
- g. By unanimous vote the Chairperson was instructed to dispatch a letter to the Site Department Manager (Kevin W. Utt) to have a copy of site plans submitted to the Wetlands Board for review of disturbances to wetlands.
- h. Chairperson dispatched a letter to Virginia Department of Game and Inland Fisheries concerning the Urban Fishing Programs. There has been no reponse.
- i. Heidi A. Hubbell informed the Wetlands Board about the Association of State Wetlands Managers, Inc.
- j. Heidi A. Hubbell stated that the city should develop a watershed management study with possible funding from outside sources.
- k. Compensation to members was discussed. No action was taken.
- l. There was discussion about the cutting and removal of vegetation along the canal adjacent to Quarles petroleum company and near Snowden Pond.
- m. Chairperson requested city council to appoint an alternate member.

Miscellaneous information pesticides and herbicides use:

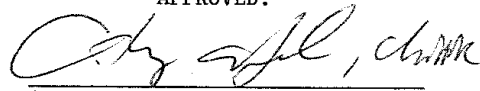
After recommending to city council against the use of pesticides and herbicides by private persons along the canal and wetlands without permit, councilman Solly on March 25, 2008, referred this recommendation to city manager for study and a report. By letter dated July 7, 2008, city manager informed the Chairperson that the report is forthcoming. According to city manager the Department of Public Works does not use pesticides and herbicides. The Park, Recreation and Public Facilities Department does not use herbicides and pesticides in wetlands. In other areas it applies herbicides and pesticides in accordance with regulations of the Virginia Department of Agriculture and Consumer Affairs.

Throughout the year Debra M. Ward, Zoning Officer, greatly assisted the Wetlands Board. Her assistance enabled the Wetlands Board to have another successful year and is appreciated.

Respectfully submitted:


Donald R. Skinker
secretary

APPROVED:


ANTHONY A. JENKINS, CHAIRPERSON

BMP 4.4				
Name	Training	Training/Certification #	Date	Renewal Due
Kevin Utt		VWMC-LID	9.29.09	
Kevin Utt		CWP-Managing Stormwater	6.17.09	
Kevin Utt		Green Infrastructure Series	5.12.09	
Kevin Utt		VLWA	3.8.09	
Kevin Utt	EPA Watershed Management	Watershed Academy	12.15.08	
Kevin Utt	DGIF	Conservation Landscaping	8.21.08	
Kevin Utt	DCR Combined Administrator	Certificate # 483	5.5.08	5.31.2011
Kevin Utt	VIMS	Perennial Stream Identification	5.2.07	
Kevin Utt	EPA Watershed Management	Climate Change on Water Resources	10.27.09	
John Scott	E&S Administrator	Certificate #368		11.30.2012
City of Fredericksburg Business License #4261 Categories 3-A & 3-B				
Reo Demars	Pesticide Registered Technician	Certificate #110567-T		6.30.2010
Denise Sanders	Pesticide Registered Technician	Certificate #106910-T		6.30.2010
James Bell	Pesticide Applicator-Govt	Certificate #94931-G		6.30.2010
Dave King	ISA Certified Arborist	MA-4890A		12.31.2011
Dave King	VDACS Pesticide Applicator	37126-G		6.30.2010

BMP 4.5	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	PY 2009
CBPA	Program Compliance	Annual	B&DS	On Going	Approval Letter	Appendix C-4

EXHIBIT

BMP 4.5

L. Preston Bryant, Jr.
Secretary of Natural Resources



Joseph H. Maroon
Director

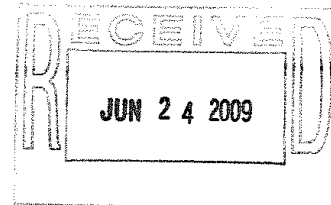
COMMONWEALTH of VIRGINIA

DEPARTMENT OF CONSERVATION AND RECREATION

900 E. Main Street, 8th Floor, Pocahontas Building
Richmond, Virginia 23219-3558
Phone: (804) 225-3440 TOLL-FREE TDD: 1-800-243-7229
FAX: 804-225-3447 WEBSITE: www.dcr.virginia.gov

June 22, 2009

Mr. Beverly R. Cameron
Interim City Manager
City of Fredericksburg
Post Office Box 7447
Fredericksburg, Virginia 22404



Dear Mr. Cameron:

On June 15, 2009, the Chesapeake Bay Local Assistance Board conducted a review of previous compliance evaluation conditions for the City of Fredericksburg for consistency with the Act and Regulations. The Board's Resolution, reflecting the action taken, is attached.

On behalf of the Board and myself, I want to congratulate you and the City for implementing a Phase I program that is compliant with the Act and its Regulations.

We look forward to continuing to work with you and the City of Fredericksburg's staff in the future. As always, if you have any questions or if we can be of any assistance, please contact your liaison, Ms. Adrienne Kotula, or Mrs. Joan Salvati, Division Director.

Sincerely,

A handwritten signature in black ink, appearing to read "Joseph H. Maroon".

Joseph H. Maroon
Director

Enclosure

c: Mr. Kevin W. Utt, Site Development Manager, City of Fredericksburg
Mrs. Joan Salvati, Division Director, DCR
Ms. Adrienne Kotula, Principal Environmental Planner, DCR

*State Parks • Soil and Water Conservation • Natural Heritage • Outdoor Recreation Planning
Chesapeake Bay Local Assistance • Dam Safety and Floodplain Management • Land Conservation*

CHESAPEAKE BAY LOCAL ASSISTANCE BOARD

June 15, 2009

RESOLUTION

LOCAL PROGRAM COMPLIANCE EVALUATION
CITY OF FREDERICKSBURG

Local Compliance Evaluation - Compliant

WHEREAS § 10.1-2103 of the Chesapeake Bay Preservation Act states that the Chesapeake Bay Local Assistance Board shall take administrative and legal steps to ensure compliance by counties, cities and towns with the provisions of the Chesapeake Bay Preservation Act, including the proper enforcement and implementation of, and continual compliance with the Act; and

WHEREAS § 9 VAC 10-20-250 1 b of the Regulations required the Board to develop a compliance evaluation process for evaluating local Bay Act compliance; and

WHEREAS the Chesapeake Bay Local Assistance Board adopted a compliance evaluation process on September 16, 2002 for the purposes of reviewing local Bay Act compliance; and

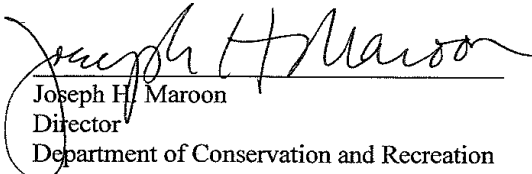
WHEREAS on March 17, 2008, the Chesapeake Bay Local Assistance Board found that implementation of certain aspects of the City of Fredericksburg's Phase I program did not fully comply with the Act and Regulations and further that the City address the six recommended conditions in the staff report no later than March 31, 2009; and

WHEREAS in the Spring of 2009, the City provided staff with information relating to the City's actions to address the six conditions which were evaluated in a staff report; and

WHEREAS after considering and evaluating the information presented on this date, the Board agrees with the recommendation in the staff report; now,

THEREFORE BE IT RESOLVED that the Chesapeake Bay Local Assistance Board finds the implementation of the City of Fredericksburg's Phase I program to be in compliance with §§ 10.1-2109 and 2111 of the Act and §§ 9 VAC 10-20-231 and 250 of the Regulations.

The Director of the Department of Conservation and Recreation certifies that this resolution was adopted in open session on June 15, 2009 by the Chesapeake Bay Local Assistance Board.



Joseph H. Maroon
Director
Department of Conservation and Recreation

Appendix C-5

Exhibits for Minimum Control Measure #5

Post-Construction Stormwater Management in New Development and Re-development

BMP 5.1	Permit #\AR040058									
Project Name	Owner	Tax Map #	Type of BMP	Inspection Date	Inspection Frequency	Next Ins Due	Record Date	Record #	# of Acres Treated	Impaired Waters
1206 Colony Rd	Jacques Riviere	198-113	Residence		N/A	Residence	9/28/2009	90002319	RA46	Rapp. River
1321 Lafayette Boulevard	Lafayette 1321 LLC	A11-1321	Structural Bioetention		Yearly	10/31/2009	22-May-08 80001265		RA46	Rapp. River
407-421 Progress St.	Franklin Howell Enterprises	407-421	Pipe and Pond		Every 3 Yrs	10/31/2009	08-Jun-98 B311P898		RA46	Rapp. River
Applebee's	Carl D. Silver	8-69&70	Pipe and Pond		Every 3 Yrs	10/31/2009	24-May-96 9600000864		RA46	Rapp. River
Best Buy	Carl D. Silver	CP-BestBuy	Pipe and Pond		Every 3 Yrs	10/31/2009			RA46	Rapp. River
Bridgewater St.	Rappahannock Community Services, Inc	169-12-24,23,22,21	Pipe and Pond		Every 3 Yrs	10/31/2009			RA46	Rapp. River
Coghill Auto Sales	Wilson Realty, LLC	254-50-p2	Infiltration Bioetention		Yearly	10/31/2010	10/8/2009	90002413	RA46	Rapp. River
Copper Land Co.	George & Mary Benoit		Pipe and Pond		Every 3 Yrs	10/31/2009			RA46	Rapp. River
Crestview Apartments	NHC Partnership 4, LP	249-((10)), Parcel P1, P2	Pipe and Pond		Every 3 Yrs	10/31/2009			RA46	Rapp. River
Cullen LTD, LLC	Cullen LTD, LLC	603 Jackson St.	Pipe and Pond		Every 3 Yrs	10/31/2009	20-May-97 B300P41		RA46	Rapp. River
Fairview Baptist Church	Fairview Baptist Church	900 Charlie St.	Pipe and Pond		Every 3 Yrs	10/31/2009	04-Feb-96 B287P74		RA46	Rapp. River
Fall Hill Apartments	Fall Hill Ltd. Ptnrship	249 113310	Pipe and Pond		Every 3 Yrs	10/31/2009			RA46	Rapp. River
Free Lance Star	William Douglas Pop. LLC c/o Josiah Ro	287-105 Parcel B	Infiltration Bioetention		Yearly	10/31/2009	25-Jun-08 080001547		RA46	Rapp. River
Free Lance Star	William Douglas Pop. LLC c/o Josiah Ro	DP-287-105 Parcel B	Pipe and Pond		Every 3 Yrs	10/31/2009	25-Jun-08 080001548		RA46	Rapp. River
Hughes Home	Hughes Home, Inc.	57-1-98	Structural Bioetention		Yearly	10/31/2009	10-Jul-08 080001657		RA46	Rapp. River
Hughes Home	Hughes Home, Inc.	57-1-98(2A)	Structural Bioetention		Yearly	10/31/2009	10-Jul-08 080001658		RA46	Rapp. River
Huntington Hills Oak Hill Cemetery	Greentree Center Associates	1-10	Pipe and Pond		Every 3 Yrs	10/31/2009	22-Sep-93 B264F51		RA46	Rapp. River
Kohls	Carl D. Silver	CP-Kohls	Pipe and Pond		Every 3 Yrs	10/31/2009			RA46	Rapp. River

Noble Cars, Inc.	William K. Noble	A18-89A & A18-90	Pipe and Pond		Every 3 Yrs	10/31/2009	09-Sep-05 DB295-Pg403	RA46	Rapp. River
Old Greenwich	Clarence Bowling, Trustee	Old Greenwich	Pipe and Pond		Every 3 Yrs	10/31/2009		RA46	Rapp. River
Parcel Elm	Gordon R. & Susan M. Shackelford	292-2303	Pipe and Pond		Every 3 Yrs	10/31/2009		RA46	Rapp. River
Preserve at Smithton	City of Fredericksburg	249, Parcel B	Pipe and Pond		Yearly	10/31/2009		RA46	Rapp. River
Rappahannock Community Serv	Rappahannock Community Services, Inc	BL12-120-21-23-24	Pipe and Pond		Every 3 Yrs	10/31/2009		RA46	Rapp. River
Storage USA	SUSA Partnership LP	A-19P/A	Pipe and Pond		Every 3 Yrs	10/31/2009		RA46	Rapp. River
Street Dedication	NHC Partnership 4, LP	Crestview Ward 1	Pipe and Pond		Every 3 Yrs	10/31/2009	13-Aug-98 B314P61	RA46	Rapp. River
SWM Pond & Easement	P. Wesley Foster, Jr. & George T. Eastm	A1-1902 Part of	Pipe and Pond		Every 3 Yrs	10/31/2009	16-Feb-95 B278P297	RA46	Rapp. River
Target	Carl D. Silver	Ponds 1-4	Pipe and Pond		Every 3 Yrs	10/31/2009	20-Jul-95 B281P587	RA46	Rapp. River
TGI Friday's	Greengate-Central Park	CP TGI Friday's	Pipe and Pond		Every 3 Yrs	10/31/2009	27-Jul-98 B314P612	RA46	Rapp. River
The Shoppes of Westwood	Westwood Realty Investments, LLC	280-PA-PB	Pipe and Pond		Every 3 Yrs	12/30/2009	30-Jan-09 90000182	RA46	Rapp. River
U-Haul	Amerco Real Estate Company	2752 PB & 2752 PIB	Structural Borection		Yearly	10/31/2009	25-Apr-08 80001016	RA46	Rapp. River
U-Haul	Amerco Real Estate Company	2752 PB & 2752 PIB	Infiltration Borection		Yearly	10/31/2009	4/25/2008 800003389	RA46	Rapp. River
Weyman's	Carl D. Silver Holding Co., LLC	312-2-PI/D	Structural Borection		Yearly	10/31/2009	10-Nov-08 630CLR08002518	RA46	Rapp. River
Welcraft Homes, LLC	Welcraft Homes Sand Filler	291-3-1455	Infiltration Borection		Yearly	10/31/2009	1/29/2008 800000686	RA46	Rapp. River
RAOSB	Sunshine Lady House	122-615w	Infiltration Borection		Yearly	10/31/2009	2/20/2009 9000361	RA46	Rapp. River

BMP 5.2	Measurable Goal	Metric	Responsible Party	Timeline	Associated Documents	PY 2009
LID Ordinance	Adopt LID Ordinance	Adopted	B&DS	On Going	Copy of Ordinance	Appendix C-5

EXHIBIT

BMP 5.2

Appendix C-6

Exhibits for Minimum Control Measure #6

Pollution Prevention/Good Housekeeping for Municipal

BMP 6.1	Responsible: PW	Metric	PY 2008	PY 2009
Street Sweeping		Hours	1,384 hrs	1,081 hrs

BMP 6.2	Volume Collected
Dates	PY 2009
November 1, 2008 through February 1, 2009	5,604 cubic yards

BMP 6.3	Rating	Status PY 2009
Parks & Rec	E-3	Active
Public Facilities	E-3	Active
City Shop	E-2	Pending
Fire Department	E-2	Pending
WWTP	VEEP E-2	Pending

BMP 6.4	Repair/Recon	Clean Out & Remove Debris	Inspection	PY 2009
Catch Basins	36	619	36	PY 2009
Storm Drain Lines	5	22		PY 2009
Stormwater Conveyance Channels		290 locations		PY 2009

BMP 6.6	Trash Guard	Inlet #	Service Dates	Volume	Annalized	PY 2009
City Parking lot-Caroline St		2	TBD			Installed

EXHIBIT

BMP 6.6

TrashGuard

Trash Free Stormwater Discharge

NEW
from ACF!



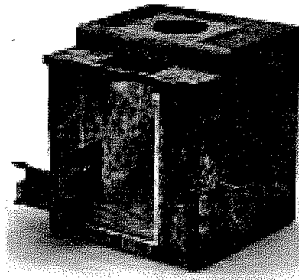
What Is TrashGuard®?

TrashGuard® is a patented stormwater pretreatment device that captures debris, sediment and floatables. TrashGuard® is easy to install and maintain and costs a fraction of other pretreatment devices currently available. TrashGuard® has extensive testing and an available calculator to assist design professionals in selecting the correct screen size for their particular project.

TrashGuard®

Advantages

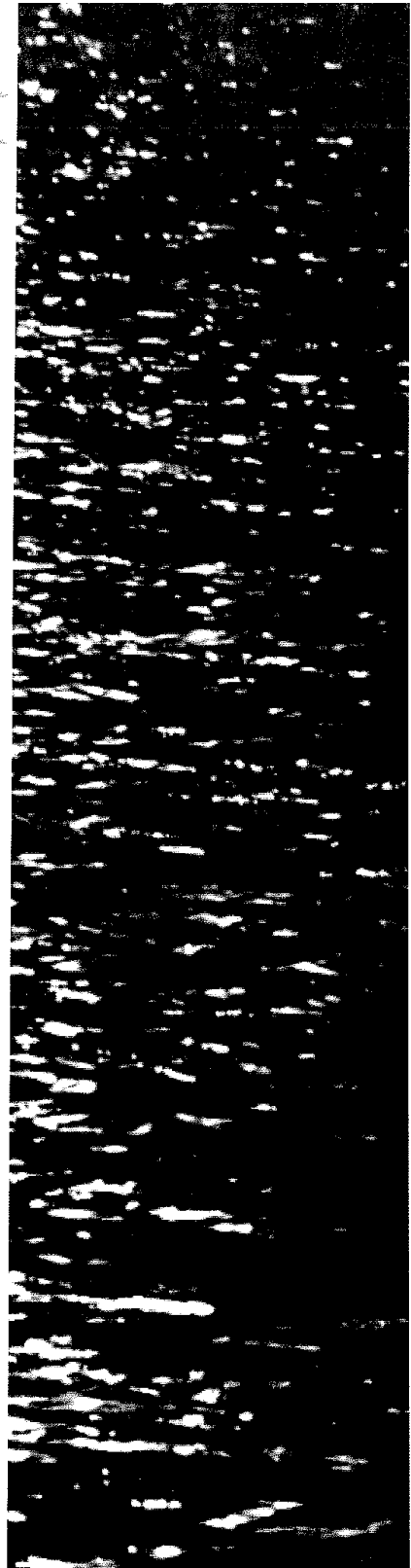
- *Captures debris, sediments and floatables*
- *Simple retrofits to existing catch basins*
- *Installs without heavy equipment*
- *Adjusts to irregular catch basin bottoms and/or walls*
- *Eliminates eyesore stormwater trash at public parks, beaches, and waterways*
- *Sediment reduction protects fish, shell fish, aquatic life and human recreation*



TrashGuard® is available in three guard screen sizes for in-place or newly formed catch-basins that utilize discharge pipes of 24 inches or less in diameter. Each screen can be adjusted at installation to accommodate low flow stormwater events of 10 cfs or more.

Call ACF Environmental or your local distributor for more information.

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TrashGuard® Installation Instructions

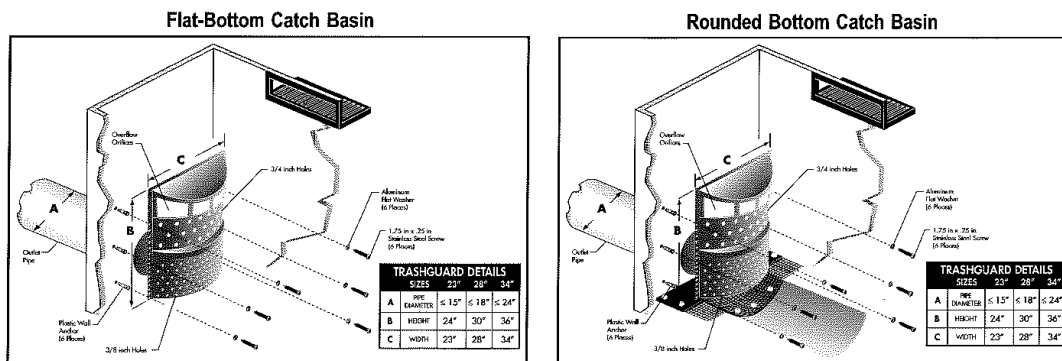
TrashGuard® can be installed in a variety of catch basin configurations (or field conditions). In general the TrashGuard® is mounted on the catch basin wall, centered over the outlet pipe.

Before installing TrashGuard® a hydraulic calculation should be performed to determine maximum flow rate based on depth of the catch basin and size of TrashGuard® used. This calculated model will determine maximum flow rate with no obstructions or varying amounts of trash build up, and determine drainage area required to support the calculated flow rate. Allowable trash build up and drainage area required for trash build up will determine maintenance frequency.

If catch basin conditions allow and increased flow rate and additional vertical capacity are desired, a model can be calculated to determine flow rate when extending TrashGuard® from one inch to seven inches from the catch basin wall. As above, this calculated model will determine maximum flow rate with no obstructions or varying amounts of trash build up. Contact TrashGuard® for assistance in determining flow rate and drainage areas under varying field conditions.

The following instructions are organized in sections described as follows:

- ☐ Section 1 - TrashGuard® installed on a flat perpendicular wall with a flat bottom
- ☐ Section 2 - Bottom Plate installed on an rounded bottom
- ☐ Section 3 - TrashGuard® installed on a flat perpendicular wall with an rounded bottom
- ☐ Section 4 - TrashGuard® installed on tiered brick wall escalating width from top to bottom with an rounded on flat bottom
- ☐ Section 5 - TrashGuard® installed on concaved wall reasonable flat top and bottom with an rounded or flat bottom.
- ☐ Section 6 - TrashGuard® installed extended from wall to increase flow capacity with an rounded or flat bottom.



WARNING: Improper installation of the TrashGuard® or failure to keep the area around the TrashGuard® free from sediment, debris and litter after installation may result in clogging of the stormwater drainage system and increase the risk of flooding during times of heavy rainfall. It is important to clear sediment, debris and litter from around the TrashGuard® at least four (4) times a year and more frequently in areas with large amounts of vegetation or litter. Please contact your local TrashGuard® distributor with any questions regarding the installation or regular maintenance requirements of the TrashGuard®.



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Appendix D

Section III, Monitoring

Monitoring requirements for this permit is not required at this time for a TMDL or WLA has not been assigned by the State Water Control Board. Volunteer monitoring analysis has begun on the DEQ impaired streams for Hazel Run and the Rappahannock River which are located in this MS4 locality. The following data has been obtained.